Tells of Measuring Star 300,000,000 Miles in Diameter

Dr. George Ellery Hale Declares Betelgeuze Has Greatest Apparent Diameter-Recent Conclusions of Russell and Heartzsprung Confirmed.

PASADENA, Calif., January 1 .- Dr. George Ellery Hale, director of the Wilson Observatory, near here, gave to the Associated Press an article he had written, describing the

of the bright red star Betelgeuze (Arabic for The Giant's Shoulder), in the constellation of Orion, was successfully measured on Mount Wilson,"

To learn the linear diameter of the star we must know its distance from the constellation of Orion, was successfully measured on Mount Wilson," Dr. Hale writes.

"The stars are so remote that hitherto it has not been possible to measure their diameters, in spite of the fact that many stars must be much larger than the sun.

"In his presidential address last August before the British Association. "In his presidential address last August before the British Association for the Advancement of Science, Prof. A. S. Eddington of Cambridge, remarked: 'Probably the greatest need of stellar astronomy at the present day, in order to make sure that our theoretical deductions are starting on oretical deductions are starting on the right lines, is some knowledge of measuring the apparent angular diam-

Praises Michelson Device.

Praises Michelson Device.

"He then went on to predict that the 'star with the greatest apparent diameter is almost certainly Betelgeuze, diameter 0.051 second of arc.' The result just obtained is a remarkable verification of this prediction.

"The measurement was made with the 100-inch Hooker telescope by Messrs. Pease and Anderson of the observatory staff.

"No telescope is powerful enough to measure accurately the extremely small angle subtended by the star. This very difficult and delicate task is rendered possible by a method devised by Prof. Michelson, director of the Ryerson Physical Laboratory of the University of Chicago, and research associate of the Mount Wilson Observatory.

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This very difficult and delicate task is rendered possible by a method devised by Prof. Michelson, director of the Ryerson Physical Laboratory of the University of Chicago, and research associate of the Mount Wilson Observatory.

The article explains how a device based on the phenomenon of inter-

TAILORS ASKED TO GIVE **UP WAGE INCREASE**

Exchange in Letter Seeks Co-Operation in Keeping Down Production Cost.

A request that journeyman tailors cooperate with their employers in keeping
down the cost of living by deducting
the 20 per cent increase granted in the
last agreement between employers and
employes of the industry in wage renewal contracts for the coming year was
forwarded to the Journeyman Tailors'
Union, No. 188, by the Merchant Tailors'
Exchange yesterday.

A letter signed by President Henry
Schick and Secretary George E. Hebbard of the exchange pointed out that
the "extreme conditions now prevailing in the clothing bruiness which have
hit the merchant tailor unduly hard"
prompted the request for a reduction.
It was stated in the letter that a reduction in selling price has been made
to customers and it was now necessary
to have the co-operation of the workers
to cope with present conditions.

"We want to be fair to you and ourselves also," the letter said, "and ask
that immediate action be had by your
organization." The new wage scale
goes into effect on January 10.

POLICE COURT JUDGE

LENIENT ON NEW YEAR

Magistrate Learns for First Time of "Taking Liquor for the Feet."

"William, what in the world are you, a deacon of the church, doing drinking whisky?" asked Judge Mc-Mahon, in Police Court teday, of a much battered-up colored man, as court was opened to deal with the court was opened to deal with the chorts of New Year revelers.

"Judge, I didn't have no whisky; all I had was jest plain, ordinary gin. I drank a a little, and was sitting down caus my feet hurt."

"I've heard of taking liquor for everything except the feet," said the judge, "but I'll let you go because it was New Year eve."

This the judge did in most of the cases that appeared before him this morning for over-imbibing in New Year 30.08 Portland, 0re 30.08 Portland, Ore 30.08 Year stimulants.

notwithstanding, there like the last day of the old year. Twenty-seven persons were arrested for alleged drunkenness, five for having liquor in their possession, six for transporting; and two for selling it. Of this number, most forfeited collateral, and few cared to spend New Year morning in court.

Two arrests were made for these life these life the last day of these life the last day of the old year. San Diego... 30.04 56 8an Diego..

Year morning in court.
Two arrests were made for discharging firearms in the street. One of these, Moy Lee, a Chinaman, was asked by the judge what he was doing celebrating, when the Chinese New Year was still a long way off. Moy replied that he just liked to celebrate of these, Moy Lee, a Chinaman, was asked by the judge what he was doing celebrating, when the Chinese New Year was still a long way off. Moy replied that he just liked to celebrate anybody's New Year, and he didn't have any "fliheclackers to make noise with." The judge made allowances for his enthusiasm and ignoraice of the law and let him go.

One soldier, belonging to the Tank Corps, admitted having been very much under the weather.

"Keeping up your reputation as a tanker, eh?" asked the judge, and sent him back to camp.

JOINS RESEARCH COUNCIL

F. G. Cottrell Betires as Director of Bureau of Mines.

when Dr. Cottrell plans to take up his duties as chairman of the division of chemistry and chemical technol-egy of the National Research Council. ed as Dr. Cottrell's successor, is a geologist and mining engineer who cerved as one of Herbert Hoover's assistants in London on Belgian relief work during the war. For a time during the war he was assistant director of the bureau of mines, but at the close of the war retired to private life.

the close of the war retired to private life.

He was at one time editor of the Mining and Scientific Press of San Brancisco and later editor of the Mining Magazine of London, England. He has made mining investigations in South and Central Africa and also in China. At one time he was a mine operator in Colorado and at another time connected with the United States geological survey. Subsequently he served as the first director of the geological survey of Illinoia.

LONDON, December 31.—A bomb was thrown today by persons who are said to have been members of the exception of the geological survey of Illinoia.

Secretary of Sicilian Socialist Head—quarters Willed.

LONDON, December 31.—A bomb was thrown today by persons who are said to have been members of the geological survey of Illinoia.

Secretary of Sicilian Socialist Head—quarters Willed.

London Times from Rome.

Mooney Leading Jockey. NEW ORLEANS, January 1 .lookey J. J. Mooney of New Orleans, with twenty-four winning mounts.

ference of ight, called an "inter-fero-meter," was attached to the 100-inch telescope at Mount Wilson and tested.

Agrees With Calculations. After further improvements," the article continues, "the Michelson de-vice was applied to the measurement

successful measuring at the observatory, December 13, of the star Betelgeuze, in the constellation of Orion,
showing its diameter to be 300,000,000
miles.

"On December 13, 1920, the diameter
of the bright red star Betelgeuze
(Arabic for The Giant's Shoulder'),
in the constellation of Orion, was suc.

"The measured angular diameter is
0,046 seconds of arc, in surprisingly
close agreement with Prof. Eddington's calculation. While this is a preliminary value which will be improved by subsequent measures, it is
probably correct within 10 per cent.

"To learn the linear diameter of the
star we must know its distance from
the constellation of Orion, was suc. tree earth. The three available measures of the distance of Betelgeuge are not in very close agreement, but the average is probably fairly reliable. Using this value, the diameter of the star comes out 300,000,000 miles. In other words, it would fill the orbit of Mars.

"The colossal size of Betelgeuze wil "The colossal size of Hetelgeuze will be recognized when it is compared with the sun, which is less than a million miles in diameter. The sun, if it were a hollow sphere, would contain a million bodies as large as the earth, or, if the earth were fixed at its center, the moon 240,000 miles away, could move in its orbit and have much room to spare. Yet, when we remember that the sun, in a state of very attenuated gas many millions of years ago, must have filled the entire solar system, we recognize the possibility that stars even larger than Bertelgeuze may exist.

possibility that stars even and the receive may exist.

"The new result beautifully confirms the recent conclusions of Russell, Hertzsprung and other students of stellar evolution. A few years ago Russell showed that there must be great classes of stars. The

THE WEATHER.

Virginia—Rain probably tonight and tomorrow; warmer tonight; fresh southerly winds.

West Virginia—Rain tonight and probably tomorrow; colder. Records for Twenty-Four Hours.

Thermometer, 4 p.m., 48; 8 p.m., 44; 12 midnight, 39; 4 a.m., 31; 8 a.m., 34; noon, 40.

Barometer, 4 p.m., 30.08; 8 p.m., 30.16; 12 midnight, 30.19; 4 a.m., 30.20; 8 a.m., 30.20; noon, 30.19.

Highest temperature, 48, occurred at 4 p.m. yesterday.

Lowest temperature, 31, occurred at a midday. 4 a.m. today. Temperature same date last year Highest, 48; lowest, 29.

Up-River Waters. HARPERS FERRY, W. Va., January 1.—The Potomac and Shenandoah rivers were both clear this morning.

Weather in Various Cities.



GETS BOX OF MUSHROOMS

Fred J. Braendle Gathers Supply in Soldiers' Home Woods.

MUMMERS IN BIG DISPLAY.

Philadelphia Celebrators Watch

Parade in Fancy Costumes. Resignation of Frederick Gardner Cottrell, director of the bureau of mines of the Interior Department for the past seven months, and a widely known cemist, yesterday was presented to President Wilson through Secretary Payne. In presenting Dr. Cottrell's resignation, Secretary Payne commended that H. Foster Bain of California be appointed to the vacancy.

The resignation is effective today, when Dr. Cottrell plans to take up his duties as chairman of the division of the city today for their annual parade, in which 12,000 mummers, representing twenty clubs, competed for pries of more than \$12,000.

Comic displays, elaborate floats, fancy costumes and string bands stought their various divisions to out victed in 1914 of using the mails to deep cannot be appointed to the vacancy.

The resignation of Frederick Gardner Philadelphia's combined to the city today for their annual parade, in which 12,000 mummers, representing twenty clubs, competed for pries of more than \$12,000.

Comic displays, elaborate floats, fancy costumes and string bands stought their various divisions to out victed in 1914 of using the mails to defenued; Lawrence Markley, his son, and Frank W. Shriver, formerly president of the international concern.

Buckeye Tossers Cop. PHILADELPHIA, January 1 .- The Railroads ran special trains from points within a 200-mile radius of the city, bringing additional throngs which taxed the capacity of the ho-

which taxed the capacity of the hotels.

Calif., Ohio State last night defeated.
Calif., Ohio State last night defeated.
Cornell at basket ball, 23 to 22. Goals
weather heartened the men who contemplated a chilly time of it in their
feminine costumes donned for the
brought the Buckeyes from behind

London Times from Rome.

The local secretary of the organization was killed and seven other persons were wounded. In the fighting that followed the Socialist Leader Schiro was injured.

captured riding honors at the Jefferson Parish race meeting which ended today. It is the first victory of its kind for a local boy since revival of rading to the control page publicity. Chim-

BANKING SYSTEM STANDS Perfects Device for Measuring Stars THE MOST SEVERE TESTS

> Frozen Credit Will Be With Us for Some Time, But Conditions Are Distinctly Better-The Tide Has Turned.

Scientist of the University of Chicago

TARIFF MEASURE

Senator Objects to Emergency Bill, Also Soldier Bonus. He Indicates.

Opposition to the House emergency tariff bill and to the passage at the present session of the soldier bonus bill was indicated yesterday by Senator Penrose of Pennsylvania, chairman of the Senate finance committee, who has returned to Washington after an absence of more than a year, due

THE WEATHER.

District of Columbia—Rain tonight and probably tomorrow; warmer tonight, lowest temperature tonight above freezing; fresh southerly winds. Maryland—Rain probably tonight and tomorrow; warmer tonight; fresh southerly winds, probably becoming strong.

Virginia—Rain probably tonight and

to illness.

In a talk with newspaper correspondents, whom he received yester-dependents, whom he received yester-dependents yes yes yes yes yes yes yes yes yes y States His Position.

"I don't look with any amount of enthusiasm on any emergency tariff legislation," said the senator. "I think that the tariff and revenue are think that the tariff and revenue are questions that ought to be taken up as a whole in a careful, thoughtful, dignified way, after full conference with the President-elect and whoever may be Secretary of the Treasury."

Senator Penrose was asked whether he agreed with statements that high tariffs would restrict trade with Europe, limiting Europe's capacity to pay indebtedness to America.

"There is a good deal in that," he pay indebtedness to America.

"There is a good deal in that," he answered. "We can't expect foreign nations to pay off their debt to America if we don't give them an opportunity to trade with us. War conditions make it very difficult to frame a scientific bill."

and be satisfactory to them." He added, however, in response to a question whether the bonus legislation would be pressed at this session that the bonus legislation was "very intimately involved with the questions of raising revenue and the new tax bill."

wide sentiment among business inter-ests against any tariffs that would curb American commerce. "I am as strong a tariff man as ever." the senator continued, "but I am not prepared to vote for any particular measure. We can't expect nearly as much revenue from tariff as from di-rect taxation."

Touches on International Issues The semator declared he had not taken any particular interest in the discussions at Marion regarding future international relations.

"I don't think it matters much in that respect, who is Secretary of State," said the senator, "for I think Congress will blaze the way, particularly the Senate, and I don't think Congress will take any program from Champion, before whom she will be Congress will take any program from any Secretary of State, no matter who

Senator Knox of Pennsylvania, who returned yesterday from Marion, call-ed on Senator Penrose, who tomorrow will receive members of the Pennsyl-vania delegation in Congress and oth-

vania delegation in Congress and other friends.

The principal evidence of Senator Penrose's long illness noted by visitors was a loss in weight. The senator is able to walk, but has the use of a rolling chair. He said that he would be at his office at the Capitol early next week, and planned frequent visits there. Several of the rooms of his hotel suite have been arranged for office purposes.

D. C. GIBBONEY, COUNSEL FOR BERGDOLL DROWNS

Draft Dodger's Attorney and Three Others Capsize in Boat in

PHILADELPHIA, January 1 .- D. Clarence Gibboney, attorney for Grover C. Bergdoll, convicted draft dodger and fugitive from justice, and three other Philadelphians, were drowned Wednesday in the Gulf of Mexico, near the port of Chenkin, on the coast of Yucatan, according to a telegram received here by friends.

and won the game.

Jail for Pugilist. SAN FRANCISCO. January 1-Ed

quarters Killed.

LONDON, December 31.—A bomb was thrown today by persons who are said to have been members of the extreme nationalist party against socialist headquarters at Castel Termini, Sicily, says a dispatch to the London Times from Rome.

The local secretary of the extion was killed.

Ward (Knockout) Kruvosky, pugilist, who was the second of a group of men to be convicted for attacks on young women here, was given as indeterminate sentence today of from one to fifty years in San Quentin prison. The judge recommended that Kruvosky serve the full term.

Tiger Quint Easy Winner. CINCENNATI, January 1.—University of Cincinnati basket ball team was defeated here last night by Princeton by score of 30 to 16. Capt. Netts of the Tigers was the individual star of the game, in which the visitors scored 23 points in the first half. A record backet ball count

THE EVENING STAR, SATURDAY, JAMUARY 1, 1921-PART 2.

rowing is at the lowest ebb in a gen-eration; in other words, that the speculative account carried with bor-rowed money is the smallest in very nany years. On the other hand, while loan expansion in commercial lines was checked six months ago, very little progress has so far been made toward The phrase "frozen credits," which will always be associated with 1920,

will always be associated with 1920, is still unfortunately pertinent as the year closes.

Why Thaw Is Postponed.

The three things which are holding back the thawing-out process are the refusal of farmers to sell their grain and cotton and other produce at prices which they claim to be below of the contriles, especially in Great Britain and France, is sufficiently incost of production, the rejuctance of dicated by the latest trade figures. what they owe. Liquidation of bank loans, despite

surely work to put investment prices up.

The outlook for speculative stocks is much more obscure, but it is very generally agreed that the great mass of these have seen the worst, that their recent low prices more than discounted the losses which industrial companies have suffered or will suffer during the present period of depression.

Indications of an increase in the movement of corn from farms threw weight against any material advance in the price of corn or oats.

Declines in the value of hogs made provisions average lower.

DOMESTIC GOODS TRADE

Prices Below Cost. The most hopeful thing that can be said of the commodity markets like those for wheat, cotton, sugar, wool

refusal of farmers to sell their grain and cotton and other produce at prices which they claim to be below cost of production, the reluctance of the general body of retailers to take their losses the way manufacturers and wholesale merchants have taken theirs and finally the necessity of continuing enormous advances to the export trade because Europe and South America have no ready cash to pay what they owe.

That the tide has turned in some other countries, especially in Great Britain and France, is sufficiently indicated by the latest trade figures, which show that Great Britain will end the year with a substantial belance on the credit side and that in France government expenditure has been brought within the limits of government revenue, while imports have been brought down nearer to the level of exports than they were even in the ordinary pre-war times. n the ordinary pre-war times.

Four Killed in Auto Crash; News From Many Points in U.S.

Mexicans Release Lieutenant of U.S. Infantry and Five Men-Lincoln's Neighbor Dies.

CHARLOTTE, N. C., January 1 .-Mr. and Mrs. P. A. Deal, E. M. Deal, thirty-six, and Miss Lena Belle Deal, thirty-six, and miss bene bear.
thirteen, son and daughter of E. M.
Deal of Newton, were killed outright
and Beona Deal, eleven-year-old sister of the two latter, was critically
injured whea the car in which they
were riding was struck by an incoming freight at 6:45 this morning at a
grade crassing near the city limits. MILEORD Mass-Mrs. Ann Cham-

MILFORD, Mass.—Mrs. Ann Chamberlain, who as a girl in Springeld, Ill., was a nextdoor neighbor of Abraham Lincoln, died here. Mrs. Chamberlain recalled almost daily, visits from Mr. Lincoln, who, she said, would always ask, "Is Miss Ann handy?" and when she appeared would give her a simple present. NEW YORK .- Gen. Robert Georges

Regarding the soldiers' benus bill Senator Penrose said:

"I believe in doing something for the soldiers that will meet conditions and be satisfactory to them." We have the soldiers and other events in his bener here.

ALBANY, N. Y.—The plurality of President-elect Harding over Gov. Cox in the vote of New York state for President was 1.089,929, the state tions of raising revenue and the new board of convassers reported. The vote, which includes the ballots cast by soldiers and sailors, was: Harding, against any tages.

BOSTON.-Lieut. Gov. Channing H. Cox, governor-elect, stopped a pair of runaway horses a short distance from a group of children, who stood terror-stricken in their path. He was motoring to the statehouse through the Fenway when he saw the horses break away and bear down on the

Champion, before whom she will tried.

LITTLE ROCK, Ark.—National Guard troops stationed at the peniten-tiary here as the result of a reported plot to free many of the convicts, fired several shots at a man discovered prowling outside the walls with a searchlight. Due to the darkness the

MACON, Ga.—George (Buster) Bonner, thirty-year-old negro, charged with the murder of A. S. Jones, farmer of Jones county, a week ago, was brought to the jail here for safekeep-ing. Three other negroes implicated in the murder are in jail at Gray. One of these three, Bonner is said to have charged, wielded the axe with which Jones' head was split open. The mo-

ive was robbery. ATLANTA.—Madge, ten, and Mary Frances, six, daughters of Chester Guinn of Oakhurst, a suburb, were killed by an automobile, which was wrecked after striking a small cart he children were pushing

NEW YORK.—W. S. Mitchell, a New York lawyer on the confidential staff of John D. Rockefeller, sr., dropped dead while conversing with John D. Rockefeller, jr., in the latter's office. Acute indigestion was given as the cause of death.

CHATTANOOGA, Tenn.-Increas activity of violators of government anti-narcotic laws in Tennessee has brought a request from the revenue department for information concerning the number of cases now pending in the federal courts of the state, and this data is now being gathered by George Draper, state agent in charge of this

NOGALES, Ariz.—Lieut. Harold Luther, 48th Infantry, and his detachment of five United States soldiers, who had been held in custody in Nogales, Sonora, were released by Mexican officials, who acted on in-

DETROIT.—A squad of state troopers, who had raided a downriver hotel and confiscated a small quantity of whisky, were besieged by a crowd, including many schoolboys, who snowballed the officers. The troopers, being worsted in the encounter, were forced to summon aid, which arrived in two police flyers.

CHICAGO.—Boxing in universities as a recreation and an exercise was advocated by Dr. J. E. Raycroff, professor of education and hygiene at Princeton University, in an address before the American Students' Health

SALINA, Kan.—Following the issuance of a demand by the local post of the American Legion that A. C. Townley, national non partisan league leader, and his aid cease activities here and leave the county, E. F. Swanson, sheriff, issued a public statement warning against any violence. The sheriff said he represented all the people, and would protect all law-abiding people. PHILADELPHIA—The highest prices over paid for real estate in Philadelphia was reported in the sale of a three-story building at Fifteenth and Chestnut streets, which brought \$37,500 a front fact, on \$125.00 agence feet, The let,

20x100 feet, was bought by the Fidelity Trust Company from the estate of the late P. T. Hallahan, for \$550,000.

LINCOLN, Neb.—C. A. Sorrenson, chairman of the Non-Partisan League of Nebraska, has issued a call for a mass meeting of man and woman voters, to be held at Lincoln, January 19 and 20, for the purpose of making demands on the legislature for a "constructive program of economic, political and social progress."

SAN ANTONIO, Tex.-Six barracks at Camp Furlong, near Columbus, N. M., were destroyed by fire Thurs-day, which entailed a loss of \$200,000, according to a telegram received here.

LITTLE ROCK, Ark .- The ware-LITTLE ROCK, Ark.—The ware-house of the Scott Cotton Growers' Association at Scott, eighteen miles east of Little Rock, was destroyed by fire. There was approximately 3,000 bales of cotton in the warehouse and the loss is estimated at \$200,000, which was covered by insurance. The cause of the fire is unknown.

NEW YORK—Edward Payson Vining of Brookline, Mass., pioneer railroad official and formerly associated with the Union Pacific railroad and the Gould rail way interests, died here at the home of his son-in-law, Dr. W. W. Bostwick.

ST. JOHNS, N. F.—The coasting steamship Euphrates foundered in Conception bay, carrying down her trew of six, it is learned. Erroneous reports said she had arrived safely

ORLANDO. Fla.-J. P. Wilson of Winter Park was arrested here, charged with having shot and killed Mrs George E. Ryan as she drove to her home in Golden Rod, near here, accompanied by her husband and children. Police said Wilson told them a story that indicated jealousy was the motive for the killing.

TWO SKELETONS FOUND. Soldier Mental Patient Believed

Dead More Than Year. NEWPORT NEWS, Va., January 1 .-The skeletons of Thomas V. Barnes,

Company I. - Infantry, was found today in the loft of a barn near the former general hospital for mental patients in Elizabeth City county. The man had been dead more than a year, and it is believed he wandered into the barn and died from hunger or

exposure.

GREENSBURG, Kan., January 1.—
The War Department has been asked by the coroner of Kiowa county to ald in efforts to identify the man whose skeleton was found, clad in an Army uniform, in a haystack near Mullinville. The only clue was the name "L. Leisier" stamped on the beit. The coroner said the body probably had been hidden at least two years, and that no evidence was yet available as to the cause of death.

ENGINE TROUBLE AT SEA. American Steamer Walkill Sends

Message Off Spain.

LONDON, December 31.—A wireless message from the American steamer Walkill, reporting her engines totally disabled in latitude 45.58 north, longitude 22.30 west, is given in a Lloyds dispatch from Valentia, Ireland. The American steamer West Camak is standing by, but there is need for further assistance.

The message from the Walkill would indicate that she is approximately 500 miles from the northwest coast of Spain. The Walkill, bound for London, sailed from New Orleans December 12, but called at Key West December 14 to land a propeller for the steamer Lake Singara. She left Key West the same day. -Take "Florida Special"

MILLS BROADER DEMAND IS TONIC FOR GRAIN MART

CHICAGO, January 1.—Broadening of demand from millers this week, has done much to revive bullish sentiment in the weat market. Compared with a week ago, wheat today was 1% to 4 cents net higher, with corn ranging from 2 cents decline to % cent advance, and oats up % cent to % cents. In provisions the net changes varied from 42 cents setback to a rise of 10 cents.

Upturns in the wheat market were

Upturns in the wheat market were preceded by considerable depression, due chiefly to weakness in cotton and stocks. Later, however, the arrival of BY STUART P. WEST.

NEW TORK, December 31.—The year ends with the reserve ratio of the twelve regional banks substantially the same, a little higher in fact, than it was at the start, and this of itself is a remarkable and a most reasonable. It means that the banking system has gone through the most trying of ordeals without any loss of ground.

There has been an enormous fall in leasn secured by government war paper and this fits in very closely with the statement that Wall street borrowing is at the lowest ebb in a general street and that the bank in a general street and that the bank in the constitutes a hopeful outlook for investment securities.

They face the reverse and a large number of vessels at Galveston to load wheat for Europe the demand and force interest rates down. This constitutes a hopeful outlook for investment securities.

They face the reverse of the conditions which pressed them downward so continuously from 1914 to 1919—namely, the advancing tendency of interest rates, the increasing cost of living, and the constant depreciation of the purchasing power of the dollar.

These were the forces which put all securities of fixed yield down and the reversal of these forces will just as surely work to put investment prices up.

The outlook for speculative stocks is movement of corn form farms threw weight against any material advance are restricted that the prices and that the statement of corn farms threw weight against any material advance are restricted to put the bearies a disadvantage. Reports of widening out of domestic milling dmand followed, and wheat prices climbed to put higher in the redeal to put the bearies of domestic milling dmand followed, and wheat prices climbed to the highest of the conditions which pressed them downward stocks throughout the United States of Indications of a large number of conditions of intended to put the bear and some trail of the relie and the prices as the low of the demand and force intended to put the bear of the dop of the demand and force intended to p

DOMESTIC GOODS TRADE

been regarded as indicating some little improvement, but hardly sufficient to create any very decided sentiment Sales of print cloths in the Fall River market for the week were estimated at 75,000 pieces, or about the same as for the previous week, but considerably better than the recent average, and it is reported that the acceptance of reduced wages by New England mill operatives is to be followed by the starting up of some of the mills which have been closed for a good part of the past month.

About thirty notices have been issued so far against January contracts. The first of these were promptly stopped, and January went to a premium of about 65 points over March, but later notices were allowed to circulate causing some irregularity.

Liverpool buying here to cover the short end of straddles has been attributed partly to a desire to establish losses before the first of the year. market for the week were estimated

FOREIGN TRADE NOTES.

The British dyestuffs bill, prohibiting the importation into Great Britain of foreign dyes, has become a law.

Chambers of commerce of Baxony
have urged the prohibition of the import into Germany of foreign lace

urtains. It is reported from South Africa that supplies of agricultural machin-ery are being received more freely, several American shipments having

SAVANNAH, Ga.—Refusal of the Pullman Palace Car Company to permit the parking of its cars here during the proposed imperial convention. Nobles of the Mystic Shrine next summer may lose Savannah this convention.

INDIANAPOLIS, Ind.—A temporary injunction against union labor men at Shelbyville who, it is alleged, have been using force and threats in an effort to unionize the furniture manufacturing concerns of the city was granted by Judge A. B. Anderson in United States district court.

RICHMOND, Va.—Fees collected by the state automobile registration bureau in 1920 amounted to \$1,825,000, all of which goes to the construction and repair of roads, James H. Hayes, chief clerk in the office of the secretary of the commonwealth, announced.

DOUGLAS, Ariz.—A thirst is the only passport into wet Mexico for twenty-four hours, effective from midnight last night. Mexican immigration officials announced that gration of 50,000,000 frances for the pursuing several American shipments having arrived.

The export duties on German aluminum vessels, pots and pans have been reduced by 10 per cent.

Canadian exports to South Africa during September amounted to \$2,-224,000, in comparison with \$259,000 for September, 12:49.

A new regulation by the Polish diet removes the import duty from seventy from saveration and sale of mineral oils, now in effect, will be removed decided to import frozen meat from decided to import frozen meat from the pair of roads, James H. Hayes, chief clerk in the office of the secretary of the commonwealth, announced.

DOUGLAS, Ariz.—A thirst is the only passport into wet Mexico for twelve months, and even after that twelve months, and even after that twelve months, and even after that twelve months and company with a caping from the provided by 10 per cent.

Canadian exports to South Africa during September amounted to \$2,-1000, in comparison

midnight last night. Mexican immigration officials announced that Americans might cross into the old frontier town and border oasis of Agua Prieta without the customary passport restrictions.

LINCOLN, Neb.—C. A. Sorrenson, chairman of the Non-Partisan League with the previous month, the volume

with the previous month, the volume is still only one-third of that of pre-Consul reports from Rome say Itallan import duties, when paid in paper instead of gold, will be increased 200 per cent instead of 100 per cent, as previously announced.

The existing prohibition on the ex-

The existing prohibition on the export of rice from Siam is to be lifted soon. The raising of the embargo is expected to stimulate greatly the export trade of the country.

During September a total of 100.-828.417 kilos of coal was imported into Brazil. Of this amount 87,885,-462 kilos were American coal and 12,942,954 kilos British coal.

The new Swedish regulations re-

12.942,954 kilos British coal.

The new Swedish regulations regarding the uses of artificial leather in shoes become effective immediately. This is of special interest to American manufacturers of shoes, as American and English shoes are be-The American consul at Athens ad

vises that there is an active demand in Greece for petroleum products. Kerosine, however, is a government Cabled reports from the Bank of Cabled reports from the Bank of Japan have stated regarding November that "the tendency to diminish stocks in every line of industry was distinctly apparent," but that "demand for winter goods was strong, and it was observed that the financial situation was becoming more stable. New issues of bonds have continued and all are oversubscribed."

New York Bank Statement. NEW YORK, January 1.-The actual condition of clearing house banks and trust companies for the week shows that they hold \$11,042,880 reserve in excess of legal requirements. This is a decrease of \$19,515,650 from last

leserve in the position of the property of the Aggregate reserve companies in Greater New York not included in clearing house statement: Actual conditions.

Loanh, discounts, etc.. \$598,708,000 *\$3,215,800 855,700 Courency and bank notes

Ourrency and bank notes

Deposits with federal reserve bank, New York

Total deposits

Eliminating amounts due from reserve de-19.017.000

591,261,900 963,300 WILL LEAVE IN FIVE DAYS.

D'Annunsio and Legionnaries to Go Soon; Truce Is Signed. TRIESTE, December 31.—Gabriele D'Annunsio and his legionaries will leave Fiume within five days, it was announced here tonight.

The protocol effecting settlement of the Figure question was signed this afternoon.

CLEVELAND, Ohio, January 1. The University of Torente hockey team last night turned the tables on the Cleveland team and won the second game of the series, 4 to 1. The teams play the final game toright.

Toronto U. Wins at Hockey.

CLOSING WEEK OF 1920

NEW YORK, January 1.—The closing week of a remarkable year in the securities market was enlivened by a brisk demand and consequent partial recovery of many representative shares, especially rails, together with signs of a relaxation of the protracted strain.

Liquidation and short selfing of speculative stocks continued, however, the further reaction being traceable to the weakened technical position of certain issues and the obvious purpose of corporate interests and individuals to adjust losses against income tax payments.

Disampaintment

come tax payments.

Disappointment was expressed at the absence of more than a tentative January reinvestment demand, but this was partly attributed to the belief that investors as a class are holding aloof in expectation of a clearing of the financial atmosphere. Year-end settlements were accomplished without the slightest disturbance to money rates. Few if any new ance to money rates. Few if any new loans for more than moderate amounts were negotiated, practically all accommodations being restricted to renewals, including a goodly per-centage of commercial paper.

There was considerable divergence

Indications of an increase in the movement of corn from farms threw weight against any material advance in the price of corn or oats.

Declines in the value of hogs made provisions average lower.

DOMESTIC GOODS TRADE

BUT LITTLE COTTON AID

NEW YORK, January 1.—Reports from the domestic goods trade have been regarded as indicating some lit-

In the foreign exchange market lit-lin the foreign exchange market lit-tle relief is looked for until the mat-ter of German reparations assumes definite form. Pending settlement of that question, American bankers, it is understood, are unlikely to engage in new international underwritings.

HUGH H. JANEWAY, NOTED TIGER GRIDMAN, IS DEAD

NEW YORK, January 1.—News of the death in Philadelphia of Hugh H. Janeway, famous Princeton foot ball player and deputy collector of interhal revenue, was received here today at the customhouse. A New Year party given by William H. Edwards, collector of internal revenue to several hundred custom-house employes, was in progress when elebration given by Mr. Edwards. Mr. Janeway, who was a member of the Princeton '83 championship foot ball team, was born in Plainfield, N. J., December 3, 1865.

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BRISK DEMAND FEATURES YEAR-END HALTING MORE MARKED THAN IS USUAL

NEW YORK, January 1.—Dan's tomorrow will say:

The year end halting in business is
more marked than usual, but indications of improved sentiment multiply.
The general situation continues very
uneven, as was to be expected, and
different trades and industries have
apparently not yet reached the point
where a decisive turn for the better
seems imminent. Some important
basic lines, however, have gained a
little in activity, and the reappearance
of a broader demand after a prolonged
period of waiting has given rise to of a broader demand after a prolonged period of waiting has given rise to more confident hopes. One of the en-couraging features at the turn of the year are the preparations now under way for an early renewal of opera-tions at certain manufacturing e-tablishments. While restriction of output is still the predominant con-dition, and attracts most attention. dition, and attracts most attention, the curtailment has been checked at some places in the east, and wage reductions are not infrequently being accepted as an alternative to unemployment. Weekly bank clearings. \$6,682,231,588.

DIVIDENDS DECLARED.

Congolesim Co. \$1.50. Jan. 7 Jan. 15
Consolidated Textile Corp., q. 7 Jan. 10
Lima Lacomotive Works,
Inc. pf. q. \$1.75. Jan. 15
Manhat'n Rwy. Co., q. \$1.75 Dec. 30
Midwest Refining, q., \$1. Jan. 15
Midwest Refining, ex. \$1. Jan. 15
Midwest Refi

The eleverest coloring in the many facture of artificial eyes is performe by women, who appear to have a six gular aptitude for successfully blend ing the pigments

MONEY TO LOAN

on improved Real Estate Prompt transactions, Prevail-Thomas J.

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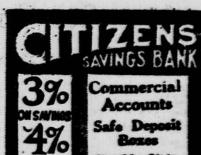
Organised 1879 41st YEAR COMPLETED Amets \$4,228,029.06 Surplus \$1,000.085.01 Save Systematically

> During 1921 80th Issue of Stock

> > Being Received

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